

Computer Network Lab



Assissment # 03

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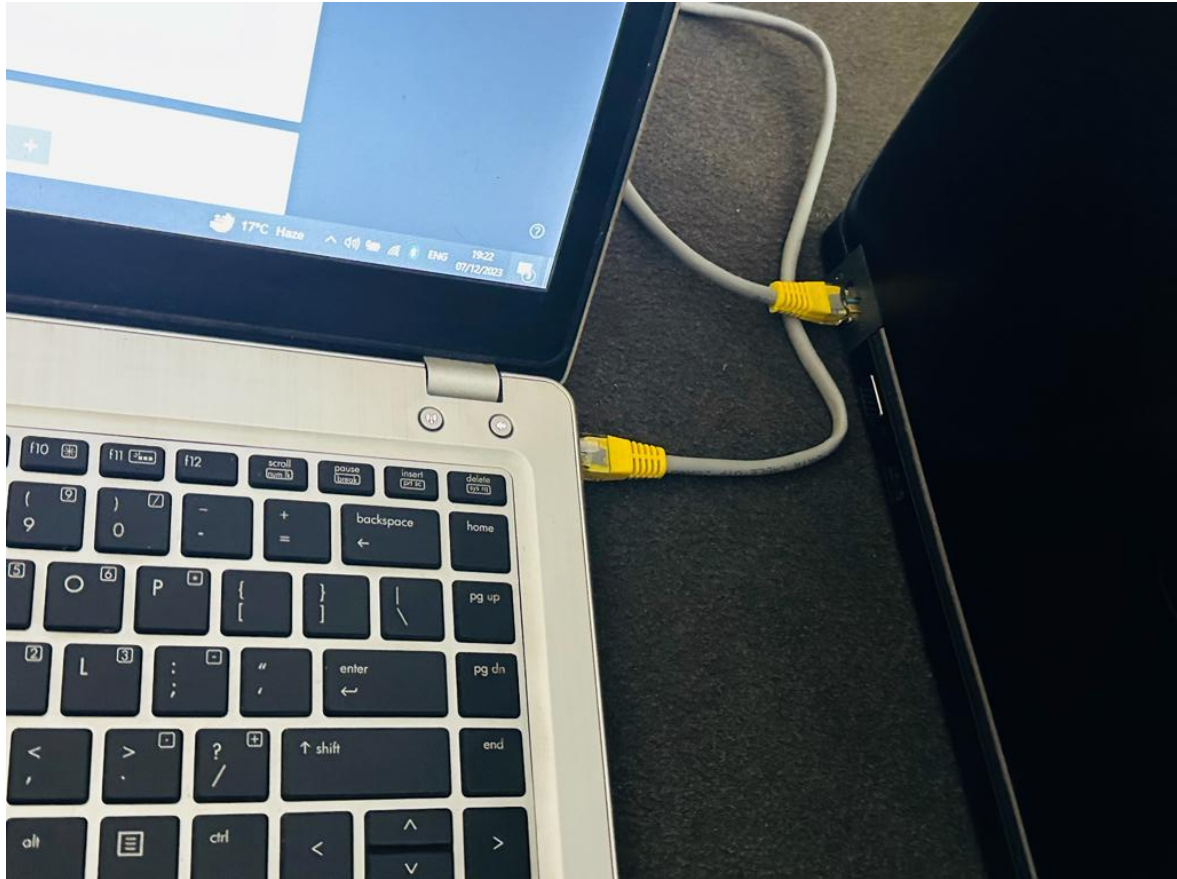
Session 2020-2024

Sharing Files Between Two Computers Using LAN Cable

Step1: Connect Both PC's With LAN Cable

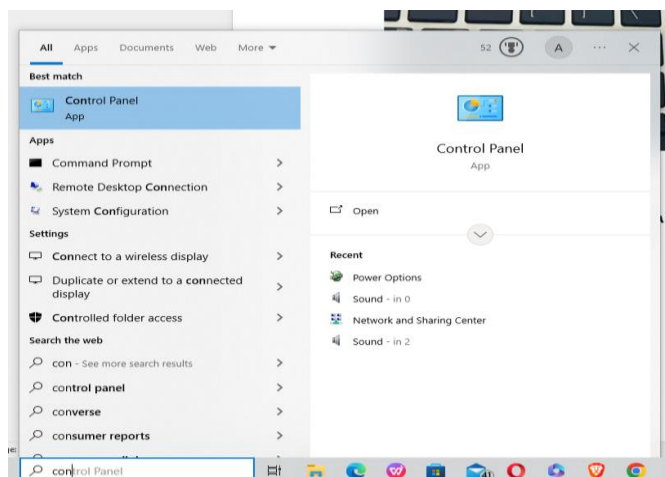
The pc is connect with LAN cable:

Using Rafay PC as 1st computer P20-0018.

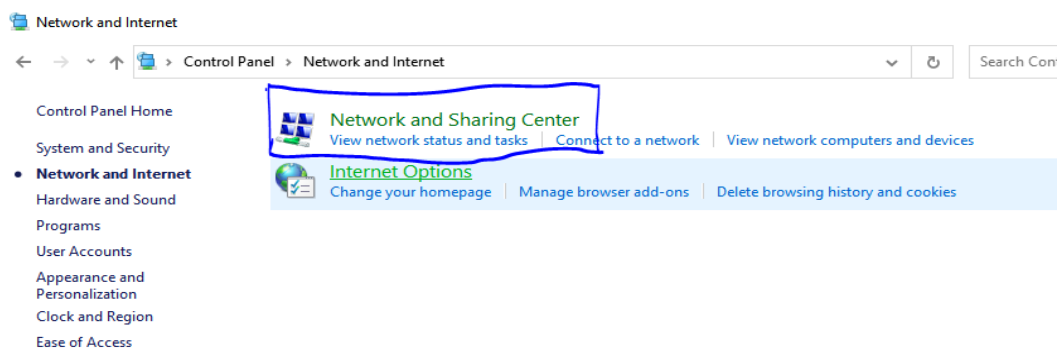
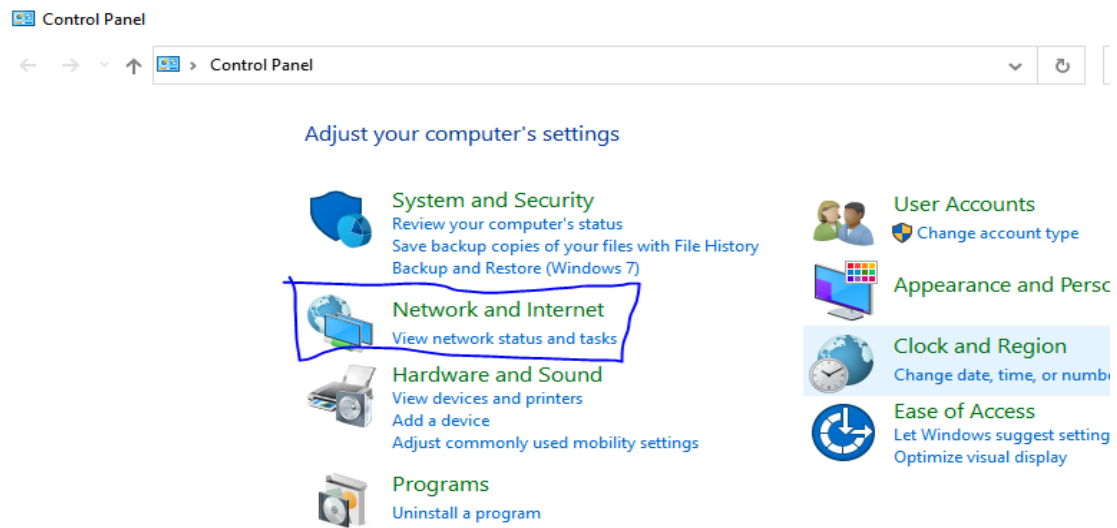


Step 2: Enable Network Sharing on Both PCs

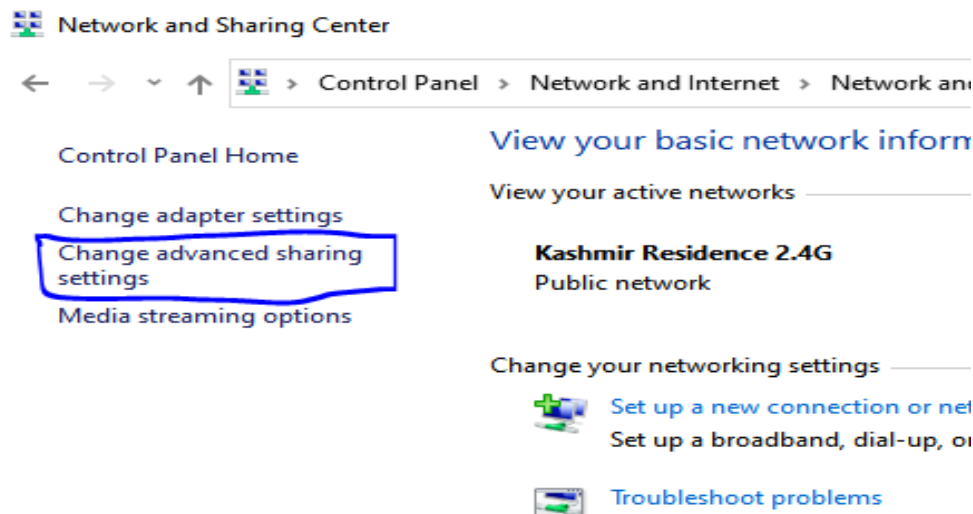
To enable sharing, go to the Start menu and search “Control Panel”. Once you see it, click on it, to open it.



Once the Control Panel window opens, click on Network and Internet



Enter the Network and sharing centre after click the change advanced sharing setting



After click he **change advanced sharing setting**

Here, you'll find three networks – Public, Private and All Network.

Next, expand All Networks by clicking on the drop-down icon. Here, we need to enable Public Sharing so that the PCs can access files from each other over the LAN cable. To avoid more configuration, just Turn off password protected sharing. By doing so, you enable the other computer to access shared data without providing any credentials. This is not a good security practice by since you are sharing your data with people you trust, you can make this one-time exception. Once you are done with file sharing, make sure you Turn on password protected sharing.

Once done, click Save Changes. Just as I said in the beginning, repeat the same steps for the other PC.

The screenshot shows the 'Change sharing options for different network profiles' window. It has three expandable sections: 'Private', 'Guest or Public (current profile)', and 'All Networks'. The 'All Networks' section is expanded, showing settings for 'Public folder sharing', 'Media streaming', 'File sharing connections', and 'Password protected sharing'. A blue arrow points to the 'Turn on sharing' radio button under 'Public folder sharing'. Another blue arrow points to the 'Turn off password protected sharing' radio button. At the bottom, the 'Save changes' button is highlighted with a blue rectangle.

Change sharing options for different network profiles
Windows creates a separate network profile for each network you use. You can choose specific options for each profile.

Private

Guest or Public (current profile)

All Networks

Public folder sharing

When Public folder sharing is on, people on the network, including homegroup members, can access files in the Public folders.

☒ Turn on sharing so anyone with network access can read and write files in the Public folders
☐ Turn off Public folder sharing (people logged on to this computer can still access these folders)

Media streaming

When media streaming is on, people and devices on the network can access pictures, music, and videos on this computer. This computer can also find media on the network.

[Choose media streaming options...](#)

File sharing connections

Windows uses 128-bit encryption to help protect file sharing connections. Some devices don't support 128-bit encryption and must use 40- or 56-bit encryption.

☒ Use 128-bit encryption to help protect file sharing connections (recommended)
☐ Enable file sharing for devices that use 40- or 56-bit encryption

Password protected sharing

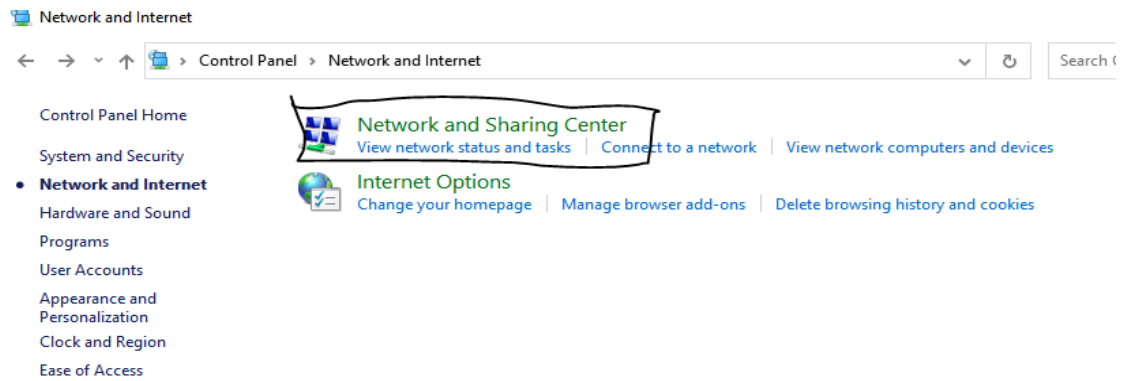
When password protected sharing is on, only people who have a user account and password on this computer can access shared files, printers attached to this computer, and the Public folders. To give other people access, you must turn off password protected sharing.

☐ Turn on password protected sharing
 ☒ Turn off password protected sharing

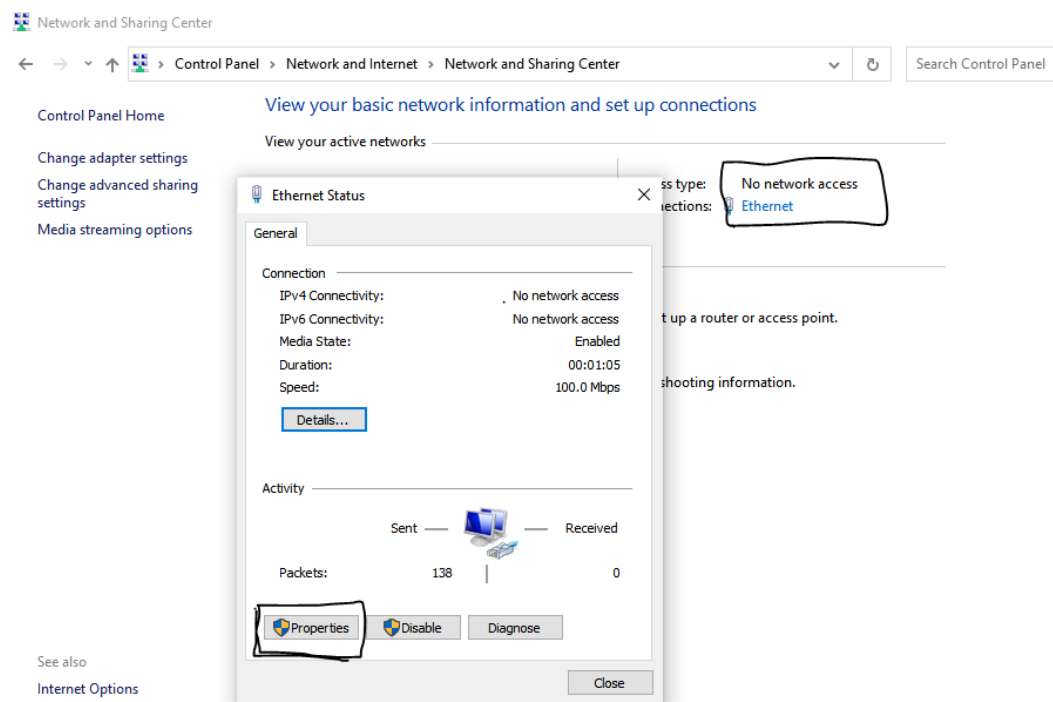
Save changes Cancel

Step 3: Setup Static IP

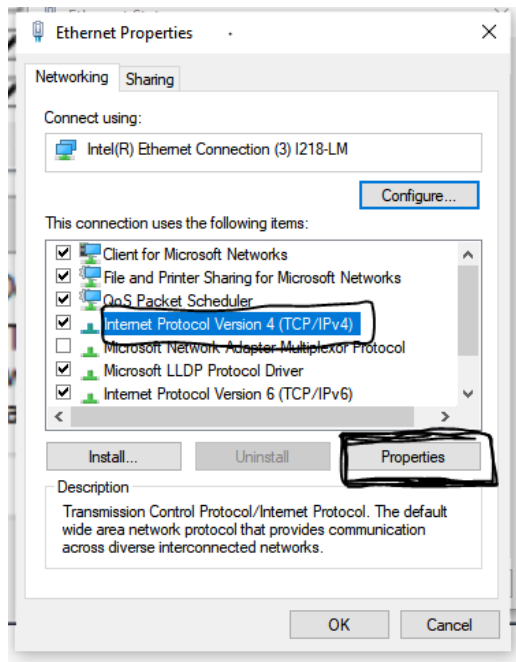
1: To set up a Static IP, open Control Panel, browse to Network and Internet and click on Network Sharing Center. Alternatively, you can also right-click on the Start Menu and select Network Connections.



2: On the next window, you will see the active connections which should be Ethernet, since both PCs are connected with a physical LAN cable. Click on the Ethernet link. A new dialog box will open, here click on the Properties button.



3: In the next pop-up, select “Internet Protocol Version 4 (TCP/IPv4)”. Now, click on Properties. This will open another dialogue box.



4. now, you need to configure the two PCs with different IP settings.

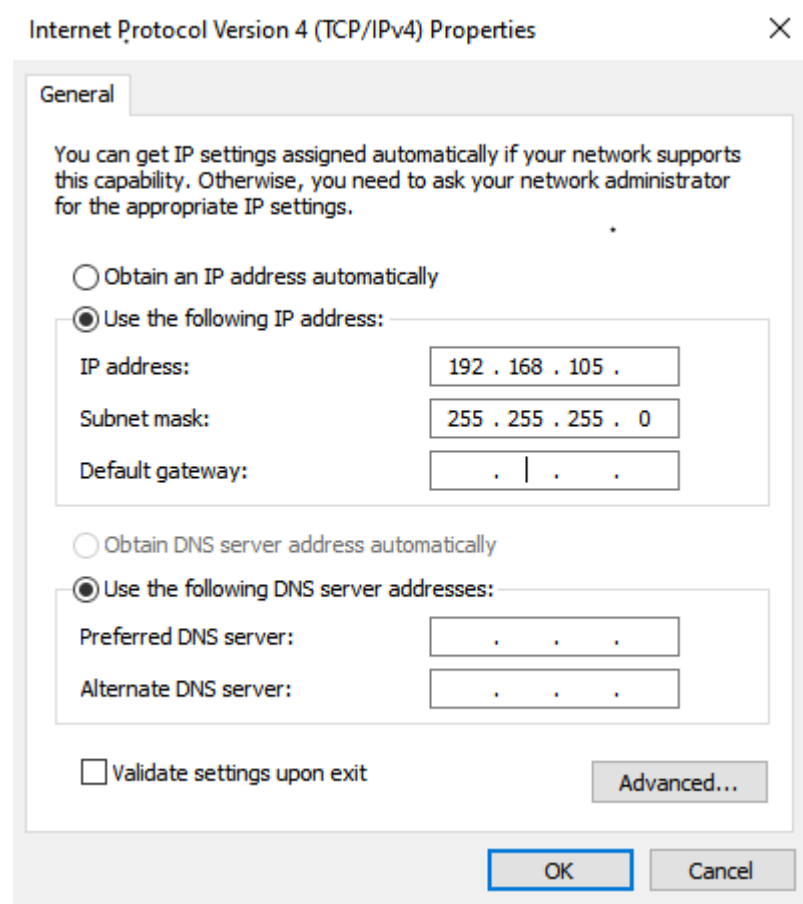
on computer 1, select the option “Use the following IP address.” and, put the following values:

IP Address: 192.168.10.10
Subnet mask: 225.225.225.0
Default gateway: empty

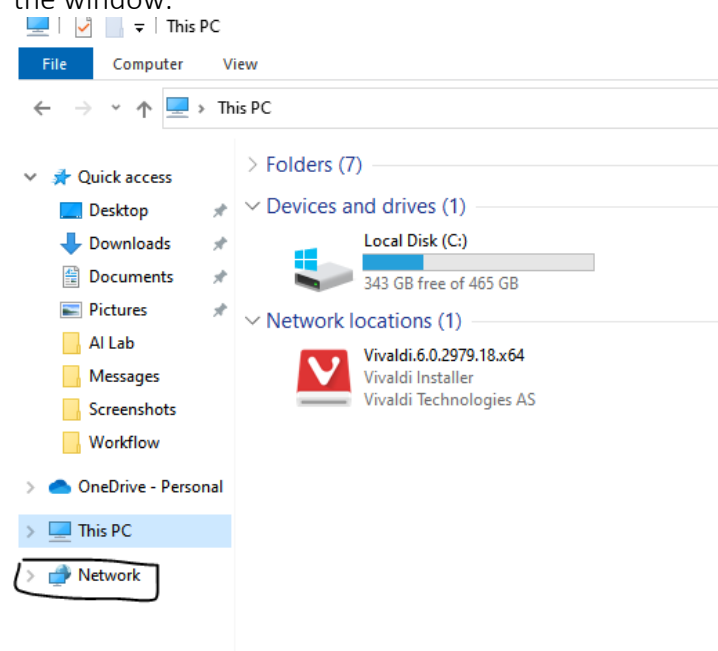
Of course, it's not necessary you use these IP addresses. You can use any Class A or B IP address. In case you are not sure what this all means, better stick with this example. On the second computer, do similar steps, but flip the IP address and Default gateway values:

IP address: 192.168.10.5
Subnet mask: 225.225.225.0
Default gateway: empty

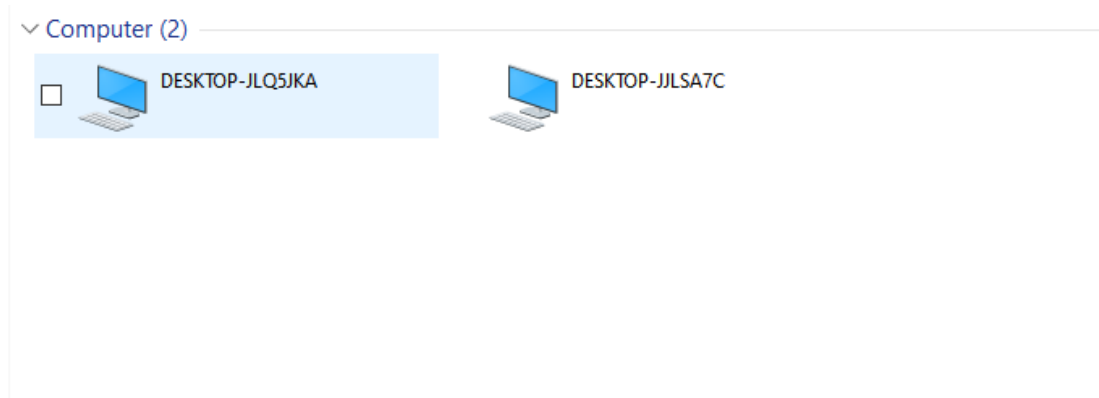
Entering LAN cable a IP address is PC-2



Next, open your Window's File Explorer and click on Network tab at the left side of the window.

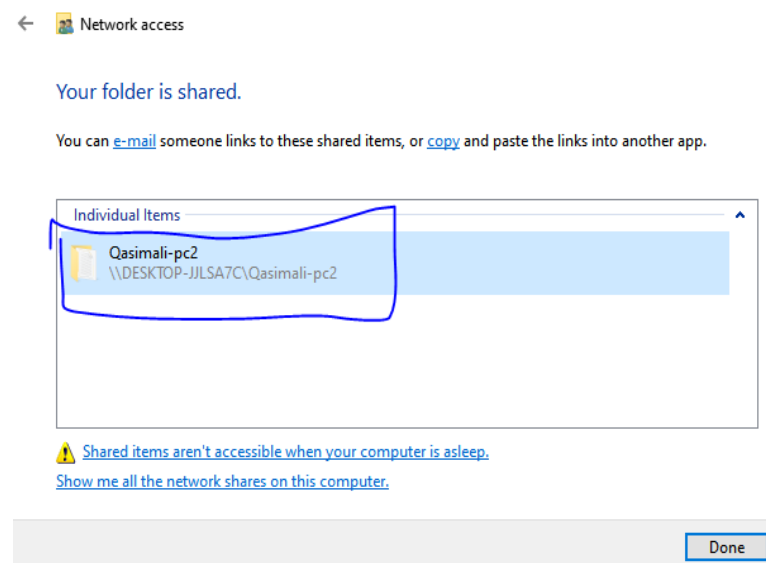
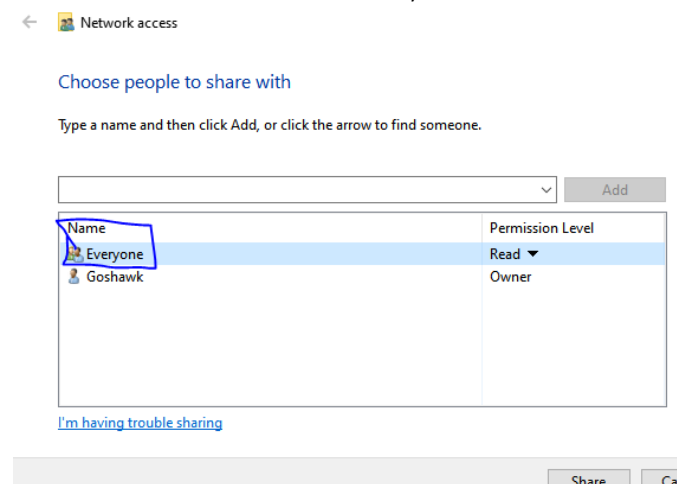


If you have set up everything right, both the PCs should appear in this Network window on both computers. Now, you can just click on the other PC's icon and browse the file. But wait, you still need to configure one last setting

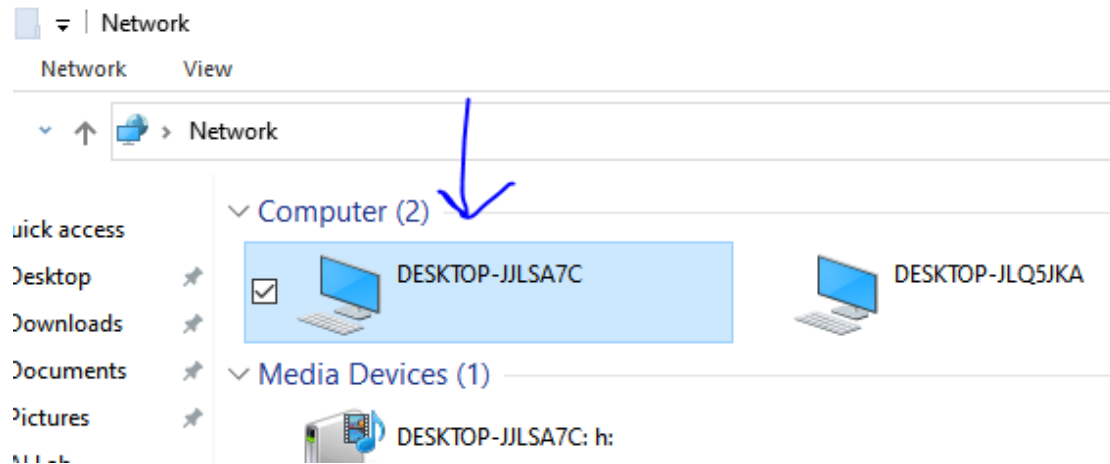


Step 4: Share a folder

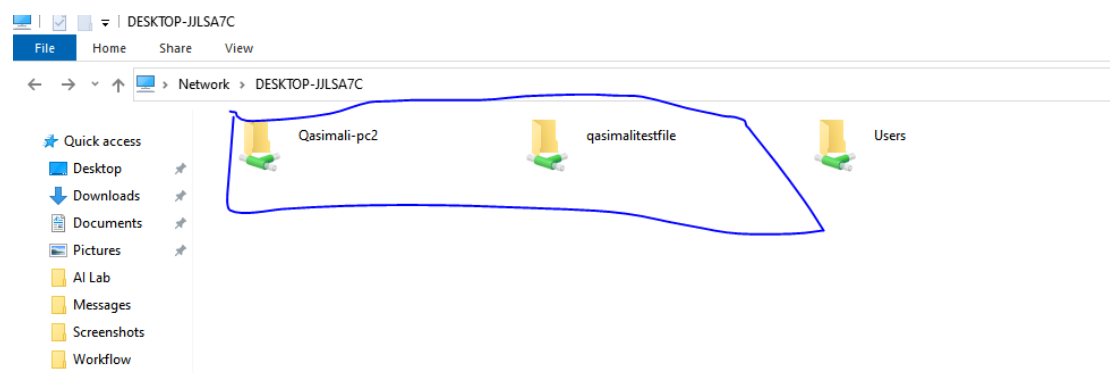
In the File Sharing window, choose Everyone from the drop-down menu. Click on the Add button next to it and finally hit the Share button



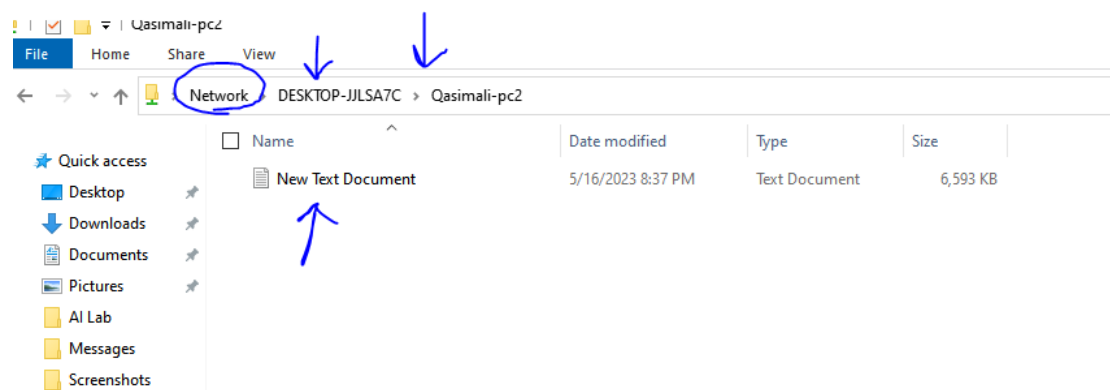
That's it. Just go back to the other PC from where you want to access the file, open the Networks panel and click on the other computer's name



Two file share :



Inside the Folder:



After we Revert Your Firewall and Network Settings, After completing your file transfer process.